5

10

30

THAT WHICH IS CLAIMED IS:

An integrated circuit ferroelectric memory device, comprising: an integrated circuit transistor;

Jul BI a ferroelectric capacitor on the integrated circuit transistor, the ferroelectric capacitor having a first electrode adjacent the transistor, a second electrode remote from the transistor and a ferroelectric film therebetween; and

a plate line directly on the ferroelectric capacitor.

- A device according to Claim 1, wherein the plate line is directly on the 2. second electrode of the ferroelectric capacitor.
- A device according to Claim 1, wherein the integrated circuit 3. ferroelectric memory device is free of a plug between the plate line and the second electrode.
- A device according to Claim 3, wherein the integrated circuit 15 4. ferroelectric memory device is free of an insulating layer between the plate line and the second electrode.
- A device according to Claim 4, wherein the second electrode has a 5. width and wherein the plate line is directly on the second electrode across the width. 20
 - 6. A device according to Claim 1, further comprising a stripe line adjacent the second electrode and remote from the first electrode.
- A device according to Claim 6, wherein the stripe line comprises 25 7. aluminum.
 - A device according to Claim 1, further comprising a stripe line 8. between the second electrode and the transistor.
 - A device according to Claim 8, wherein the stripe line comprises 9. aluminum.

10

25

- 10. A device according to Claim 1, wherein the first electrode comprises at least one of platinum and/or iridium dioxide.
- 5 11. A device according to Claim 1, wherein the ferroelectric film comprises at least one of PZT, SBT and/or BLT.
 - 12. A device according to Claim 1, wherein the second electrode comprises at least one of iridium, ruthenium, platinum and/or iridium dioxide.
 - 13. A method of fabricating an integrated circuit ferroelectric memory device, comprising:

forming an integrated circuit transistor;

forming a ferroelectric capacitor on the integrated circuit transistor, the

ferroelectric capacitor having a first electrode adjacent the transistor, a second
electrode remote from the transistor and a ferroelectric film therebetween; and
forming a plate line directly on the ferroelectric capacitor.

- 14. A method according to Claim 13, wherein forming the plate line comprises forming the plate line directly on the second electrode of the ferroelectric capacitor.
 - 15. A method according to Claim 13, further comprising forming a stripe line adjacent the second electrode and remote from the first electrode.
 - 16. A method according to Claim 13, further comprising forming a stripe line between the second electrode and the transistor.
- 17. A method according to Claim 13, wherein forming the ferroelectric capacitor comprises:

forming a first electrode layer on the transistor;

forming a ferroelectric layer on the first electrode layer;

forming a second electrode layer on the ferroelectrode layer; and

etching the first electrode layer, the ferroelectrode layer and the second electrode layer to form the first electrode, the ferroelectric film and the second electrode, respectively.

18. A method according to Claim 13, wherein forming the plate line comprises:

forming an insulating layer on the ferroelectric capacitor; planarizing the insulating layer to expose at least a portion of the second

electrode;

5

10

forming a plate line conductive layer directly on the second electrode and/or the insulating layer; and

etching the plate line conductive layer to form the plate line directly on the second electrode of the ferroelectric capacitor.